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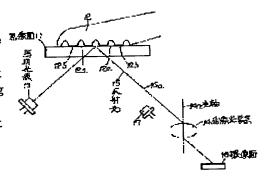
**MATSUI TOSHIO** 

## (54) IMAGE READER

## (57)Abstract:

PURPOSE: To decrease the auxiliary light sources which compensates the low illuminance of the relevant parts by eliminating the trapezoidal skews of the read images and also decreasing the low illuminance parts of these images.

CONSTITUTION: A finger 12 whose fingerprint should be 為知 read is pressed onto an original image surface, i.e., a transparent plate made of glass, etc. An illumination light source 13 illuminates the surface 11. In an image forming optical system 14, an optical axis 14a of the system 14 is set vertical to a plane including the surface 11 so that the reflected light forms an image. An image pickup surface 16 consists of a photoelectric transducer, etc. Then the plane including an image pickup surface 16 is set on the optical axis 15a of the light 15 passed through the system 14 and in the direction vertical to the axis 14a so that the light 15 forms an image on the surface 16. The fingerprint formed on the surface 16 is read. An auxiliary light source 17 compensates the low illuminance at the relevant parts of the read images.



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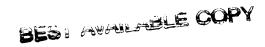
rejection

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